WHAT IS CLAMED IS:

- 1. A fastening apparatus for use in endoscopic surgery comprising:
 - a) a handle portion;
 - b) a triggering mechanism; and
- c) a fastener applicator comprising a shaping slide having a cooperating notch that has as its widest width a distance essentially equal to the width of the shaping slide.
 - 2. A fastening apparatus for use in endoscopic surgery comprising:
 - a) a handle portion;
 - b) a triggering mechanism; and
- c) a fastener applicator comprising a shaping slide with a cooperating notch that is angled to closely receive an anvil with an essentially triangular cross-section.
- 3. The apparatus of claim 1 wherein the cooperating notch is angled to closely receive an anvil with an essentially triangular cross-section.
- 4. The apparatus of claim 1 wherein the cooperating notch has a shape which closely receives a round-edged cross-section of an anvil.
 - 5. A fastening apparatus for use in endoscopic surgery comprising:
 - a) a handle portion;

b) a triggeri	g mechanism; and
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- c) a fastener applicator comprising an anvil having a single fastener-forming point.
 - 6. A fastening apparatus for use in endoscopic surgery comprising:
 - a) a handle portion;
 - b) a triggering mechanism; and
- c) a fastener applicator comprising an anvil having an essentially roundedged cross-section.
- 7. The apparatus of claim 5 wherein the anvil has a cross-section that is essentially triangular.
- 8. The apparatus of claim 6 wherein the anvil has a cross-section that is essentially semi-circular.
- 9. The apparatus of claim 5 wherein the fastener applicator further comprises a plurality of fasteners.
- 10. The apparatus of claim 9 wherein the fastener applicator is separable from said handle portion.

- 11. A surgical fastening apparatus for endoscopic surgery comprising:
 - a) a handle portion;
 - b) a triggering mechanism; and
- c) a detachable fastener applicator having a set of vertically stacked fasteners.
- 12. The apparatus of claim 11 wherein the detachable fastener applicator further comprises two cooperating half-shells.
- 13. The apparatus of claim 11 wherein the detachable fastener applicator further contains a storage channel and a driving channel.
- 14. The apparatus of claim 11 wherein the detachable fastener applicator contains a slide actuator.
- 15. The apparatus of claim 14 wherein said slide actuator is lockable by engagement of a pin that alternately engages and disengages said slide actuator in response to said pin's interaction with recesses in the handle portion.

1	16.	A fastening apparatus for use in endoscopic surgery comprising:					
		a)	a handle portion;				
		b)	a triggering portion; and				
		c)	a fastener applicator having a fastener storage channel and a fastener				
driving channel.							
1 paralle	17. 1.	An app	paratus as in claim 16 wherein said storage channel and driving channel are				
1	8.	A surgi	ical fastening apparatus for endoscopic surgery comprising: a handle portion; a triggering portion; and a fastener applicator having a plurality of biased springs.				
1 spring.	9.	An app	paratus as in claim 18 wherein at least one of said biased springs is a leaf				
	20. le slide		paratus as in claim 18 wherein the fastener applicator further comprises a ocation controls the position of said biased springs.				

- 21. An apparatus as in claim 20 wherein at least one of said biased springs is a fastener stop spring.
- 22. An apparatus as in claim 17 wherein the location of said movable slide controls the opening from the storage channel to the driving channel.
- 23. An apparatus as in claim 20 wherein at least one of said biased springs is an ejector spring.
 - 24. A surgical fastening apparatus for endoscopic surgery comprising:
 - a) a handle portion;
 - b) a triggering portion; and
 - c) a fastener applicator comprising two or fewer actuated parts.
- 25. An, apparatus as in claim 24 wherein said actuated parts number two and move together linearly.
 - 26. A fastening apparatus for use in endoscopic surgery comprising:
- a) a handle portion housing a plunger assembly wherein said plunger assembly further comprises a ratchet;
 - b) a triggering portion; and

c)) a	fastener	appl	icator.
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- 27. The apparatus of claim 26 wherein said handle portion further houses a pawl engagable with said ratchet so as, to prevent mid-stroke reversal of travel by said plunger assembly.
 - 28. The apparatus of claim 26 wherein said pawl is orientated by a spring.
 - 29. The apparatus of claim 26 wherein said pawl rests in a slot in said handle portion.
- 30. A method of fastening a surgical fastener in endoscopic surgery comprising the steps of:
 - a) placing a fastener applicator in close proximity with a surgical target;
- b) triggering the fastener applicator to drive a fastener over an anvil so as to form a fastener with a single bend in its back;
 - c) discharging the fastener from the fastener applicator;
- d) removing the fastener applicator from close proximity with said surgical target.